

WHAT IS CLAIMED IS:

1. A method of placing cable beneath a roadway, comprising:  
cutting a trench in a surface of the roadway;  
placing a duct in the trench;  
filling the trench with a sealer; and  
placing cable within the duct.
2. The method of claim 1, wherein the cable comprises utility cable.
3. The method of claim 1, wherein the cable comprises optical fiber cable.
4. The method of claim 1, wherein the trench is cut to a depth of approximately 3.5 to 4.0 inches beneath the surface of the roadway.
5. The method of claim 1, wherein the duct comprises HD20 load rated duct.
6. The method of claim 1, wherein the duct comprises HDPE duct.
7. The method of claim 4, wherein the trench is cut to a width of approximately 0.5 inches.

8. The method of claim 1, further comprising:  
placing a spacer within the trench on top of the duct.
9. The method of claim 8, wherein the spacer comprises a tubular shape.
10. The method of claim 9, wherein a diameter of the spacer is approximately 25% larger than a width of the trench.
11. The method of claim 1, further comprising:  
placing sand within the trench.
12. The method of claim 1, wherein the sealer comprises bitumen.
13. The method of claim 12, wherein the sealer is heated to between approximately 325 and 375 degrees Fahrenheit before filling the trench.
14. An assembly for carrying cable within a trench cut in concrete or asphalt, comprising:  
a duct comprising a tubular material having a hollow inner diameter and an outer diameter that is approximately equal to a width of the trench; and  
cable placed within the hollow inner diameter of the duct.
15. The assembly of claim 14, further comprising:

a tubular spacer placed adjacent the duct within the trench.

16. The assembly of claim 14, further comprising:  
sealer placed over the duct within the trench to fill at least a portion of the trench not occupied by the duct.
17. The assembly of claim 14, wherein the tubular material comprises HD20 load rated material.
18. The assembly of claim 14, wherein the tubular material comprises HDPE.
19. The assembly of claim 14, wherein the tubular material comprises an outer diameter of approximately 0.5 inches and an inner diameter of approximately 0.375 inches.
20. The assembly of claim 16, wherein the sealer comprises bitumen.
21. The assembly of claim 15, wherein the spacer is water impermeable and heat resistant to approximately 400 degrees Fahrenheit.
22. The assembly of claim 15, wherein the spacer has an outer diameter that is approximately 25% larger than the width of the trench.

23. A method of placing cable within concrete or asphalt, comprising:  
cutting a trench into the concrete or asphalt to a depth of approximately 3.5 to 4.0 inches from a surface of the concrete or asphalt;  
placing a tubular material having a hollow inner diameter within the trench; and  
placing the cable within the tubular material.
24. The method of claim 23, wherein the cable comprises fiber optic cable.
25. The method of claim 24, further comprising:  
placing a spacer on top of the tubular material, wherein the spacer comprises a water impermeable, heat resistant material.
26. The method of claim 25, wherein the spacer has an outer diameter that is approximately 25% greater than a width of the trench.
27. The method of claim 23, wherein the tubular material comprises HD20 load rated material.
28. The method of claim 23, wherein the tubular material comprises HDPE.

29. The method of claim 23, wherein the tubular material comprises an outer diameter of approximately 0.5 inches and wherein the inner diameter comprises approximately 0.375 inches.

30. The method of claim 23, further comprising:  
filling at least a portion of the trench with a sealer.

31. The method of claim 30, wherein the sealer comprises bitumen heated to between 325 and 375 degrees Fahrenheit.